Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) ~~Said~~ An electromechanical valve actuator ~~(300; 400; 500)~~ for internal combustion engines, comprising an electromagnet ~~(301; 401; 501)~~ and a mobile magnetic plate ~~(306; 406; 506)~~ intended to come into contact with a part of the electromagnet, at least one said stop ~~(B_{300}; B_{400}; B_{500})~~ being located on the electromagnet ~~(301; 401; 501)~~ or on the plate ~~(306; 406; 506)~~ to limit [[the]]a contact surface between the plate ~~(306; 406; 506~~) and the electromagnet ~~(301; 401; 501)~~, ~~characterized in that~~wherein the electromagnet ~~(301; 401; 501)~~ comprises a magnet in [[its]]a magnetic circuit.

2. (Currently Amended) Actuator in accordance with claim 1, ~~characterized in that~~wherein the stop ~~(B_{300})~~ is located essentially in the center of the contact surface between the electromagnet ~~(300)~~ and the plate.

3. (Currently Amended) Actuator in accordance with claim 1 or 2, ~~characterized in that~~wherein the stop ~~(B_{300})~~ is located on an axis that is collinear with [[the]]an axis of translation of the plate ~~(306)~~.

4. (Currently Amended) Actuator in accordance with one of the claim[[s]] ~~1, 2 or 3~~1 or 2, ~~characterized in that~~wherein the at least one stop includes a plurality of stops and [[a]]each of the plurality of ~~said~~ stops ~~(B_{400}; B_{500}) are~~is located on one of the electromagnet ~~(401; 501)~~ and~~/or on~~ the plate, the stops between arranged symmetrically in relation to [[the]]an axis of translation of the plate ~~(406; 506)~~.

5. (Currently Amended) Actuator in accordance with ~~one of the above~~ claim[[s]] 1 or 2, ~~characterized in that~~wherein the electromagnet ~~(301; 401; 501)~~ comprises an E-shaped magnetic circuit, and the stop ~~(B_{300}; B_{400}; B_{500})~~ is located at [[the]]an end of one of [[the]] three essentially parallel branches [[of]]that form the E-shaped magnetic circuit.

6. (Currently Amended) Actuator in accordance with claim 5, ~~characterized in that~~wherein when the electromagnet ~~(301; 401; 501)~~ and the plate ~~(306; 406; 506)~~ are in

contact with one another, the stop maintains an air gap between each end branch of the magnetic circuit of the electromagnet and the plate.

7. (Currently Amended) Actuator in accordance with claim 5~~ or 6~~, ~~characterized in that~~wherein the magnet is located on the surface of one of the three essentially parallel branches of the E-shaped circuit, opposite the magnetic plate.

8. (Currently Amended) Actuator in accordance with claim 5,~~ 6 or 7,~~ ~~characterized in that two~~further comprising a second magnet, wherein the first and second magnets are located on [[the]]a surface of the E-shaped circuit, and the stop is located between ~~these two~~the first and second magnets.

9. (Currently Amended) Internal combustion engine equipped with a electromechanical valve actuator ~~(300; 400; 500)~~ for internal combustion engines, comprising a electromagnet ~~(301; 401; 501)~~ and a mobile magnetic plate ~~(306; 406; 506)~~ coming into contact with the electromagnet, ~~characterized in that~~wherein the actuator is according to ~~one of the above~~ claim[[s]] 1 or 2.